

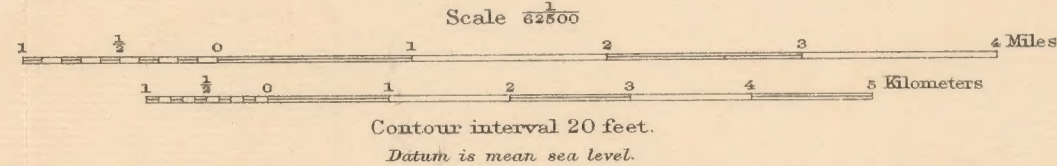
KENTUCKY GEOLOGICAL SURVEY
IN COOPERATION WITH
UNITED STATES GEOLOGICAL SURVEY

MAP OF
JEFFERSON COUNTY, KENTUCKY

GEOLOGY BY CHARLES BUTTS

T. C. BROWN | ASSISTANTS
J. J. GALLOWAY

1915



LEGEND

- Recent series**
- Qa Alluvium
Fine earth, sand, and gravel on the flood plains of modern streams.
 - Qg Glacial outwash deposits
Aluminum, clay, and gravel washed out from the ice sheet in the T. C. and deposited in the preglacial valley of Ohio River. Includes alluvium (Qa) along streams.
- Mississippian series**
- Cw Warsaw ("Harrodsburg") limestone
Massive, fine-grained, yellowish, argillaceous limestone with purple and shaly. Some coarse-grained massive and some shaly. Locally fossiliferous.
 - Ch Holtsclaw sandstone
Thin bedded, fine-grained, rather soft sandstone. Fossiliferous.
 - Cr Rosewood shale
Shaly, gray, clay shale. Thin, lenticular lenses about the middle where the shale is moderately fossiliferous.
 - Ck Kenwood sandstone
Thin sandstone layers in shale like the Rosewood. Locally massive sandstone. Very easily fossiliferous.
 - Cnp New Providence shale
Shaly, green, clay shale. Thin, fossiliferous sandstone layers in middle which are locally very fossiliferous. Many iron carbonate nodules in upper part.
 - Cnp New Albany shale
Black, fossiliferous sandstone shale. Thin, calcareous sandstone layers 12 feet above bottom with plant and fish fragments. The clay part thin layers about middle.
 - Dsl Sellersburg limestone
Bedded (horizontal) limestone member (Dsl) above thick bedded, coarse-grained, argillaceous, and shaly (Dab) limestone member. (Dsl) below (Dab) is thin bedded, fine-grained, gray, fossiliferous. Of Devonian age.
 - Dj Jeffersonville limestone
Thin bedded, coarse-grained, light gray and dark gray limestone. Highly fossiliferous, some coral and "Pala of the Ohio" of Onondaga age.
 - Dsl Louisville limestone
Thin bedded, fine-grained, gray, siliceous, fine to high magnesian limestone. Highly fossiliferous at top and near bottom. Main quarry rock. Of Niagara age.
 - Ss Waldron shale
Argillaceous, siliceous, calcareous, highly magnesian, coarse-grained, shaly limestone. Fossils very scarce. Of Niagara age.
 - Ss Laurel dolomite
Medium thick bedded, fine-grained dolomite. Fossils scarce. Good quarry rock. Of Niagara age.
 - Sb Osgood formation
Argillaceous, siliceous, calcareous, highly magnesian, coarse-grained, shaly limestone. Fossils very scarce. Of Niagara age.
 - Os Brassfield limestone
Coarsely crystalline limestone, buff, brown, yellow, and reddish. Shaly fossiliferous. Of Medina age.
 - Os Saluda limestone
Thin bedded, fine-grained, highly magnesian limestone. Shaly very fossiliferous. Fossils from this limestone at top. Highly fossiliferous Onondaga.
 - Oi Liberty formation
Alternating coarse, lumpy, blue, calcareous shale and thin blue crystalline limestone layers. High to fossiliferous.
 - Cw Waynesville limestone
Massive, thick bedded, argillaceous, siliceous, low magnesian limestone, green weathering. Shale at top and bottom. Fossils scarce.
 - Cr Annelin formation
Alternating coarse, lumpy, calcareous, shaly and blue crystalline limestone in thin layers or thick beds. Highly fossiliferous.
- Devonian**
- Silurian**
- Oriskany**
- Richmond group**
- Structure contours showing the elevation above sea level of the top of the Silurian shale. Contour interval 20 feet.
- * Quarries and clay pits.

